

YUSS200 - S9275460

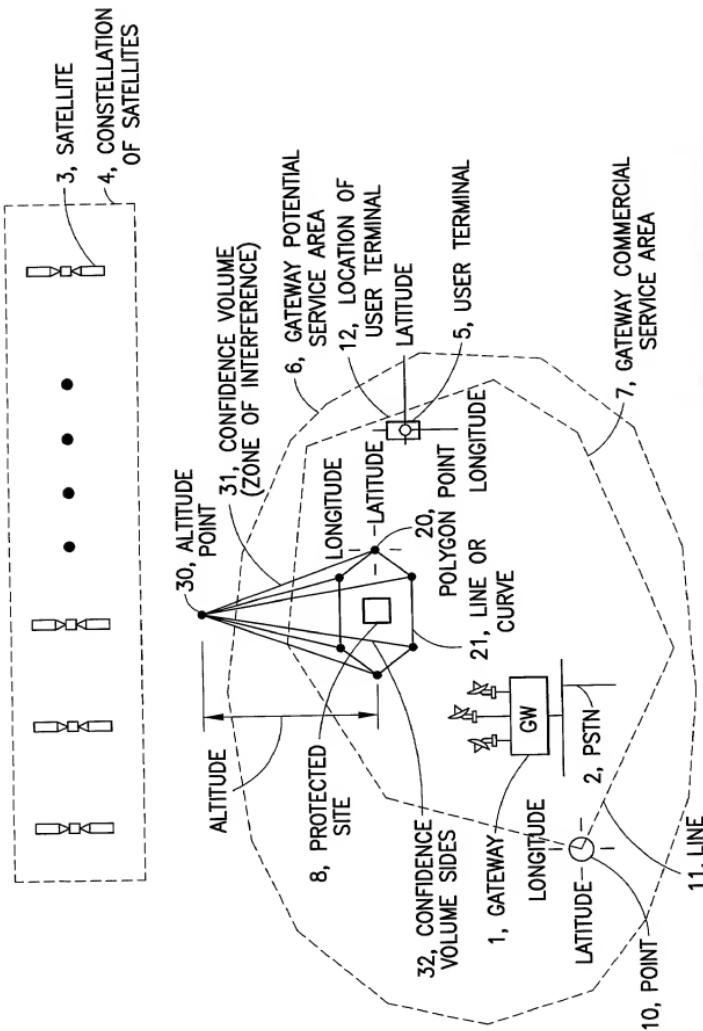


FIG.2

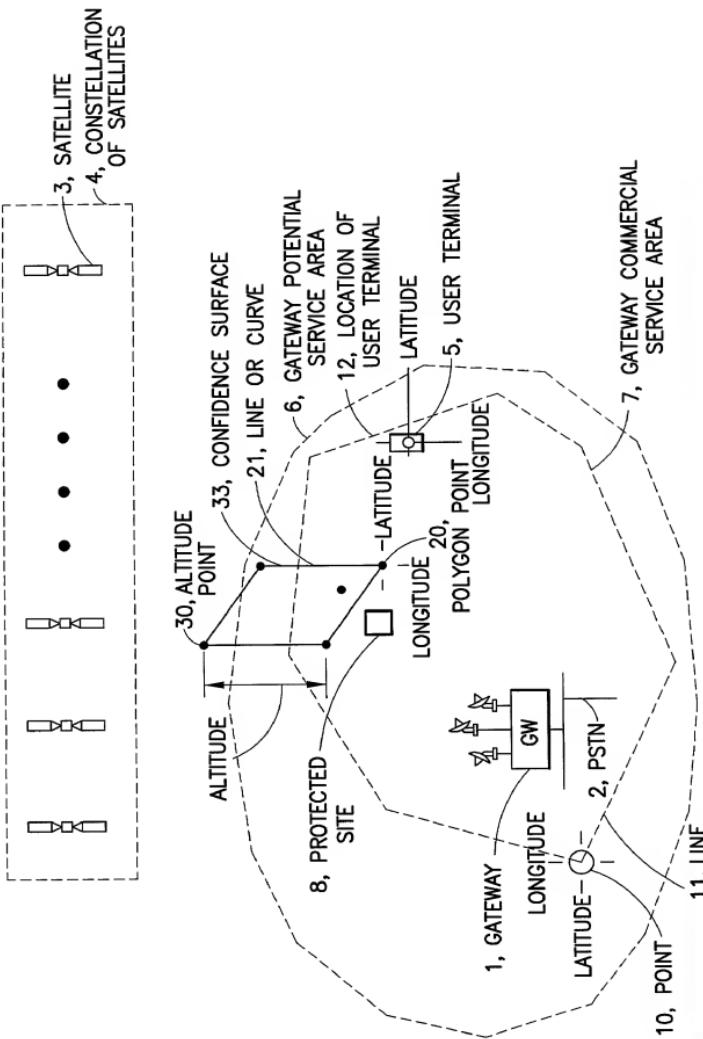
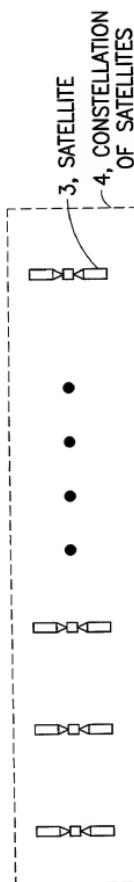


FIG.3



GATEWAY COMMERCIAL
SERVICE AREA 7 FOR
GW #1

41, SHARED CONFIDENCE
POLYGON

GATEWAY COMMERCIAL
SERVICE AREA 7A FOR
NEIGHBOR GW 40

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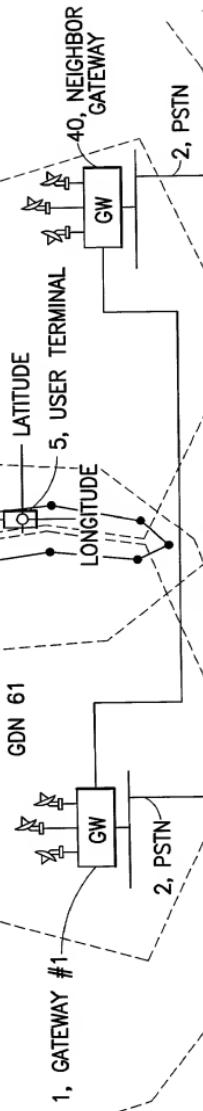


FIG.4

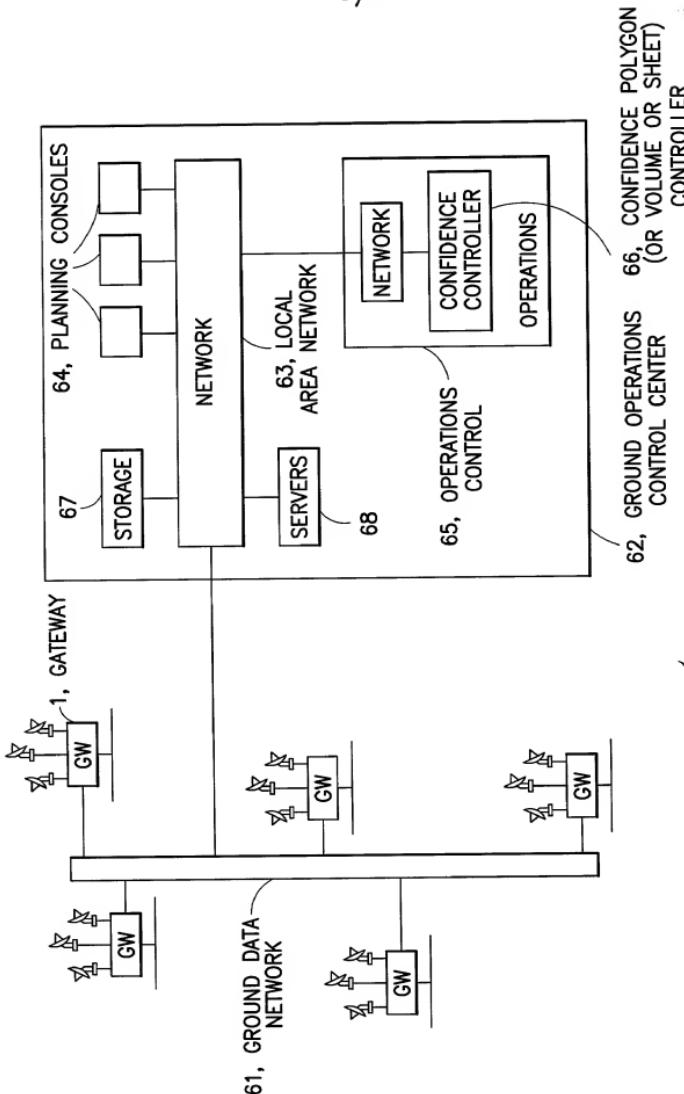


FIG. 5

60, CENTRALIZED CONFIDENCE CONTROL SYSTEM

61, GROUND DATA NETWORK
62, GROUND OPERATIONS CONTROL CENTER
63, LOCAL AREA NETWORK
64, PLANNING CONSOLES
65, OPERATIONS CONTROL
66, CONFIDENCE POLYGON (OR VOLUME OR SHEET) CONTROLLER

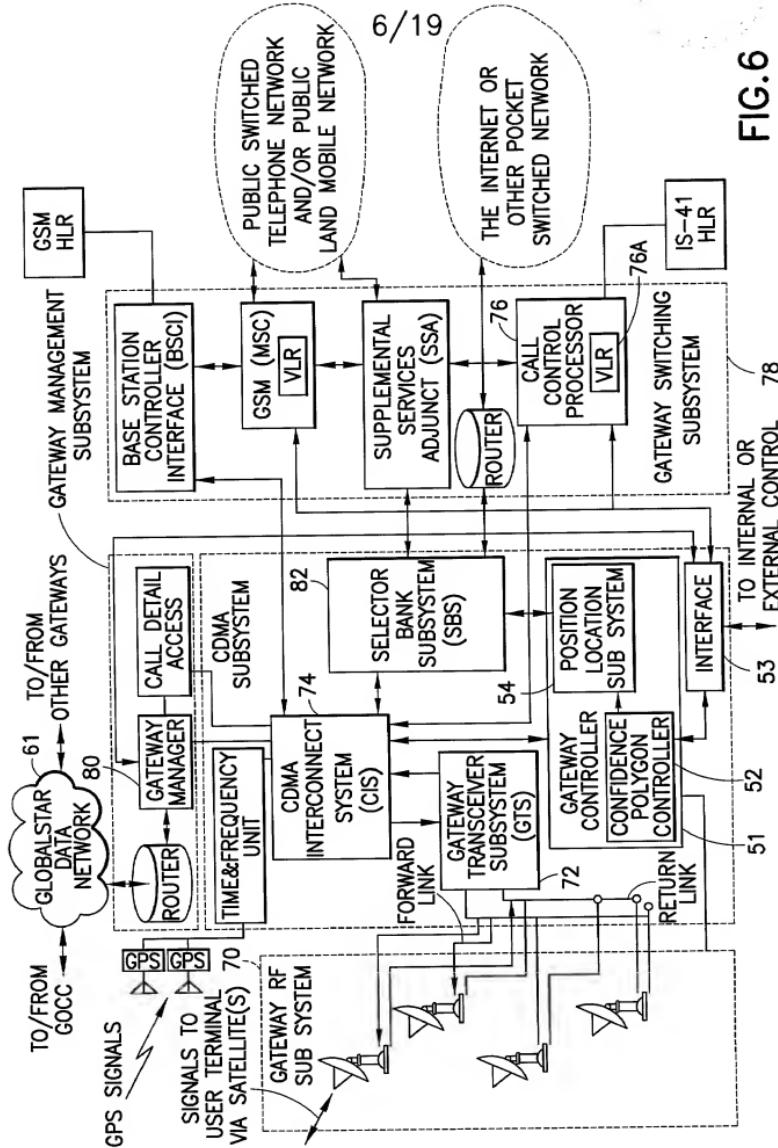


FIG. 6

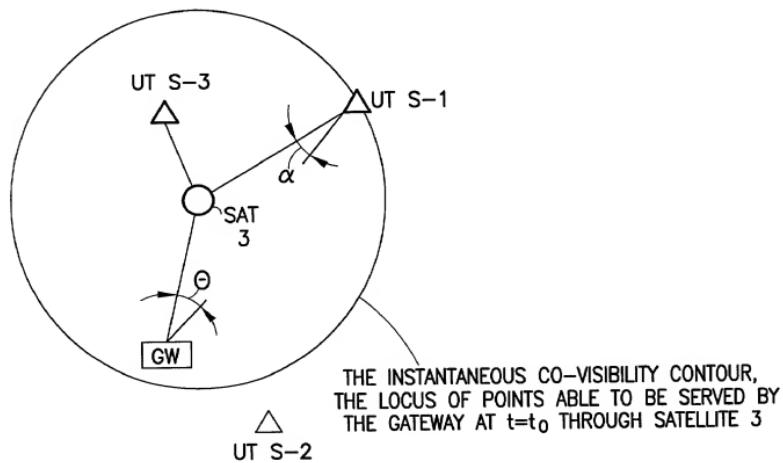


FIG.7

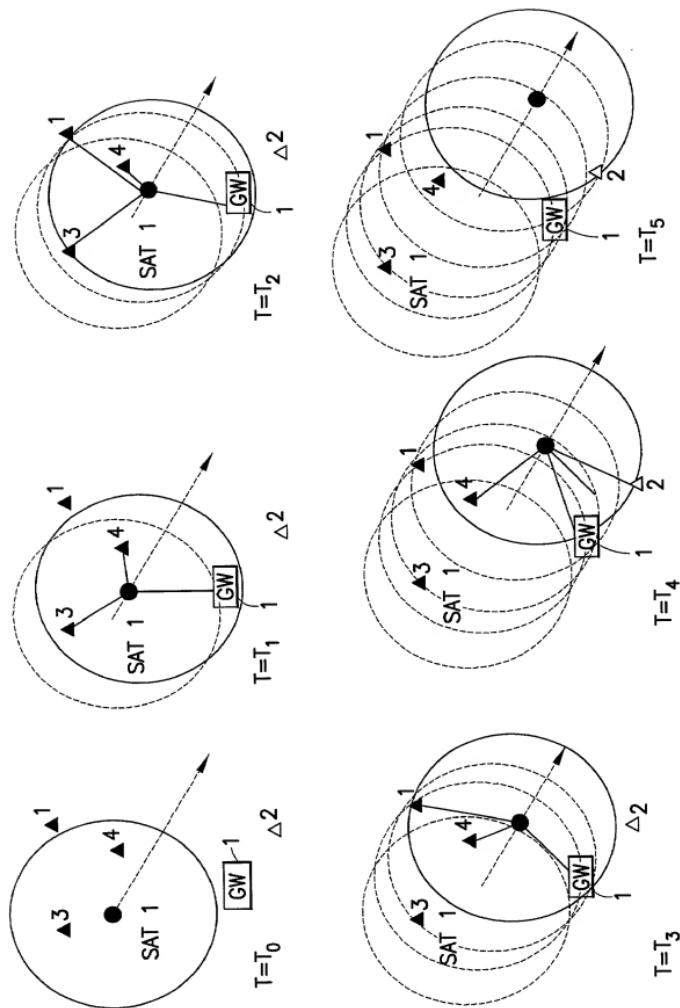
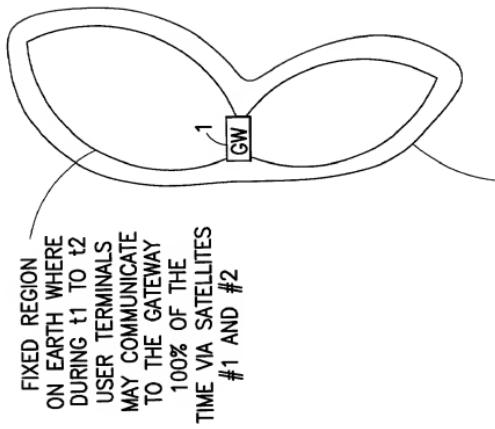
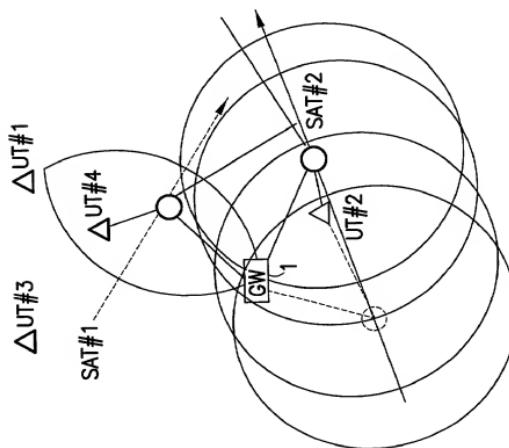


FIG.8



FIXED REGION ON EARTH WHERE
DURING t_1 TO t_2 USER TERMINALS
MAY COMMUNICATE TO THE GATEWAY
95% OF THE TIME

FIG.9B



PATH OF THE COVERAGE OF SATELLITE 2
DURING THE PERIOD $t=t_1$ TO t_4

FIG.9A

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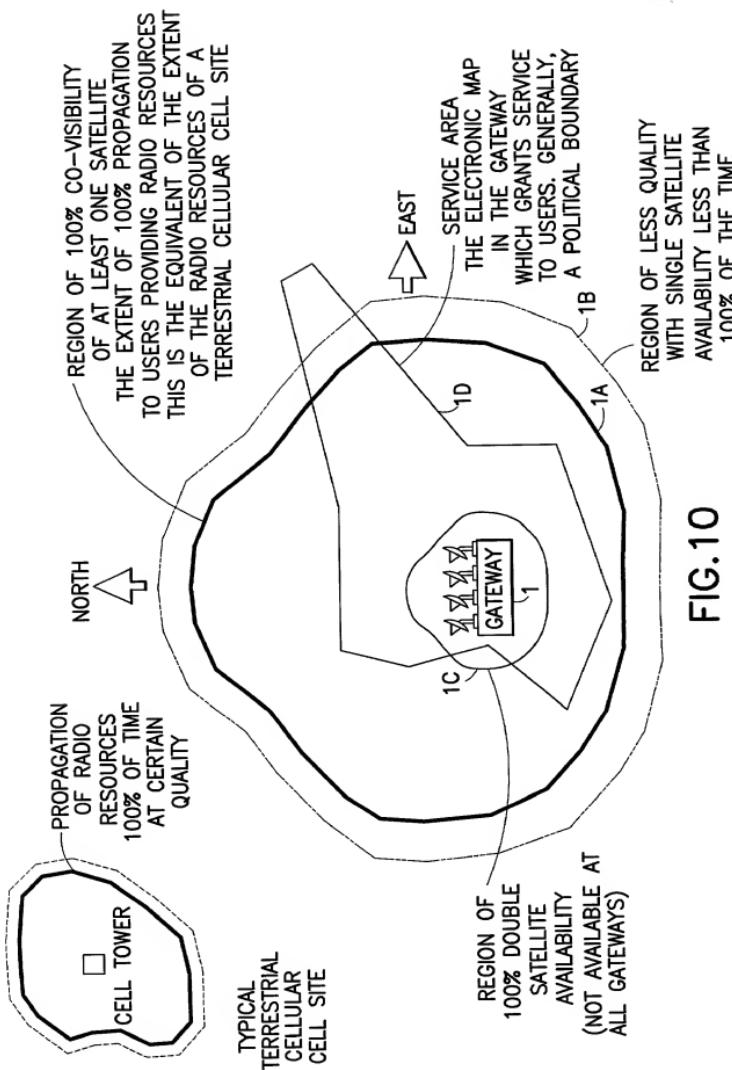
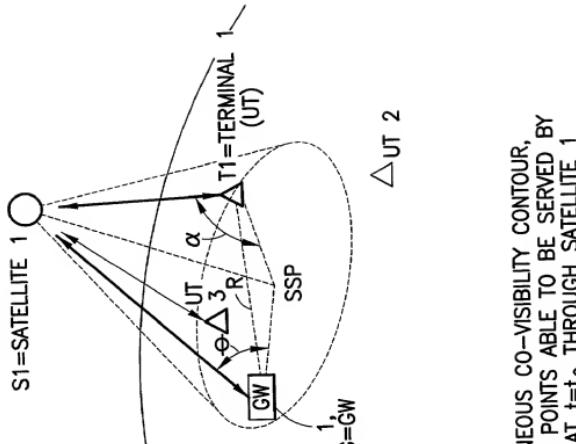


FIG. 10



THE INSTANTANEOUS CO-VISIBILITY CONTOUR,
THE LOCUS OF POINTS ABLE TO BE SERVED BY
THE GATEWAY AT $t=t_0$ THROUGH SATELLITE 1

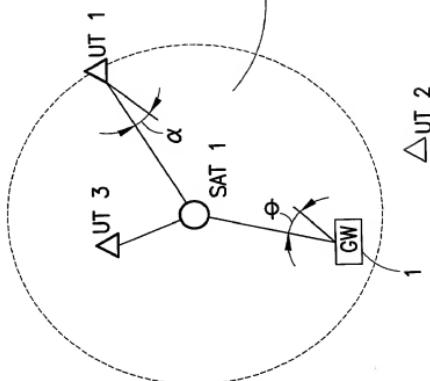


FIG.11A

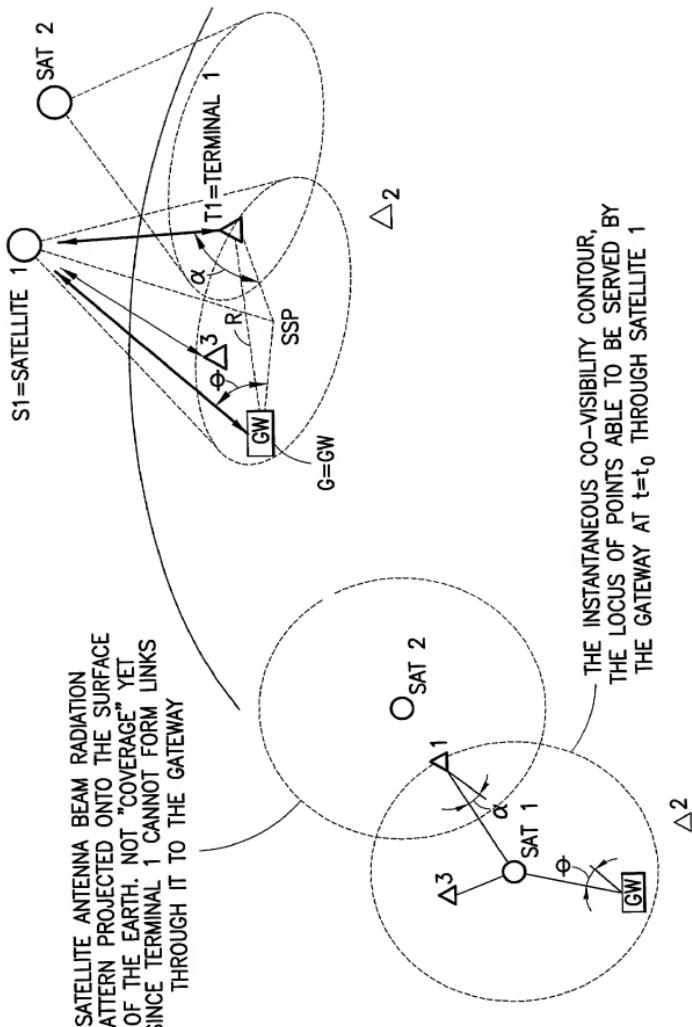


FIG. 11B

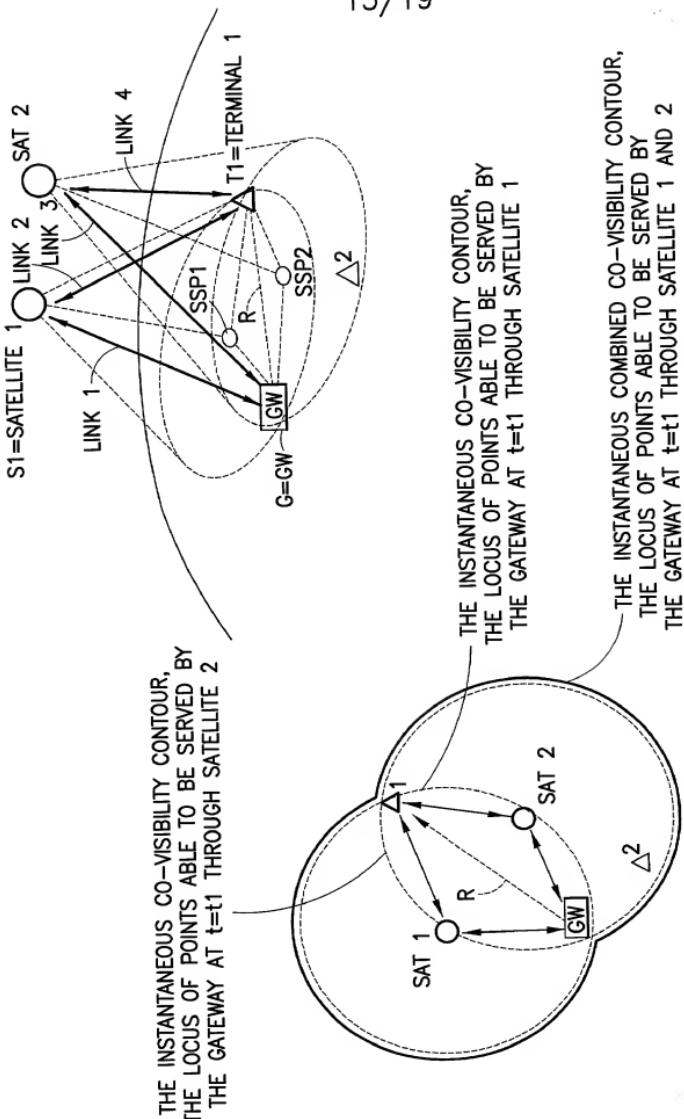
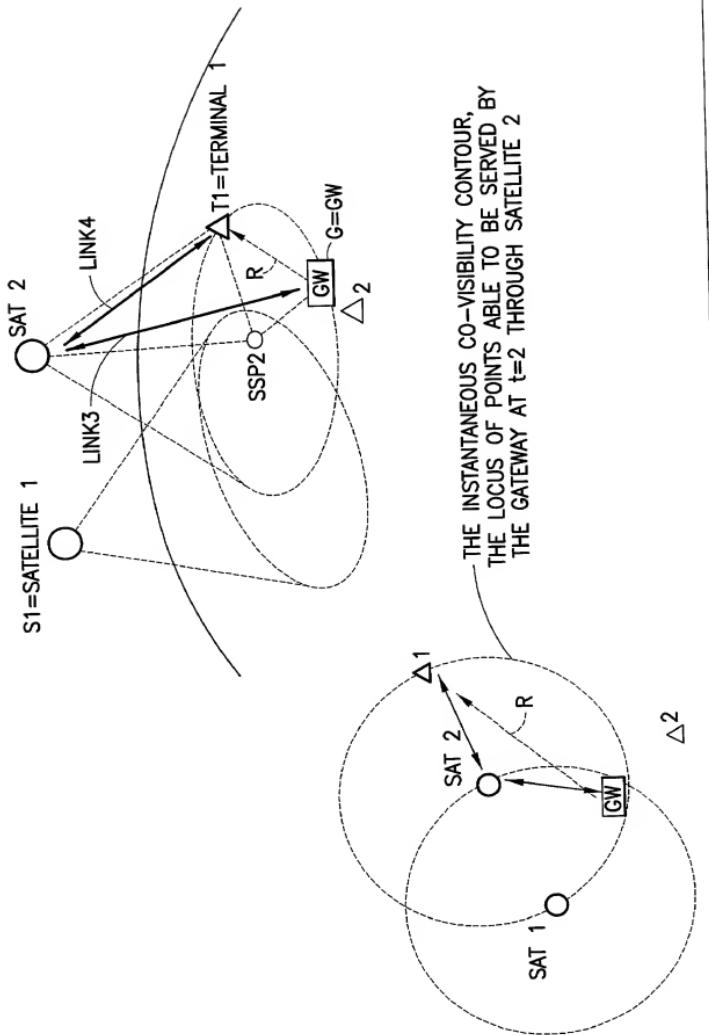


FIG. 11C



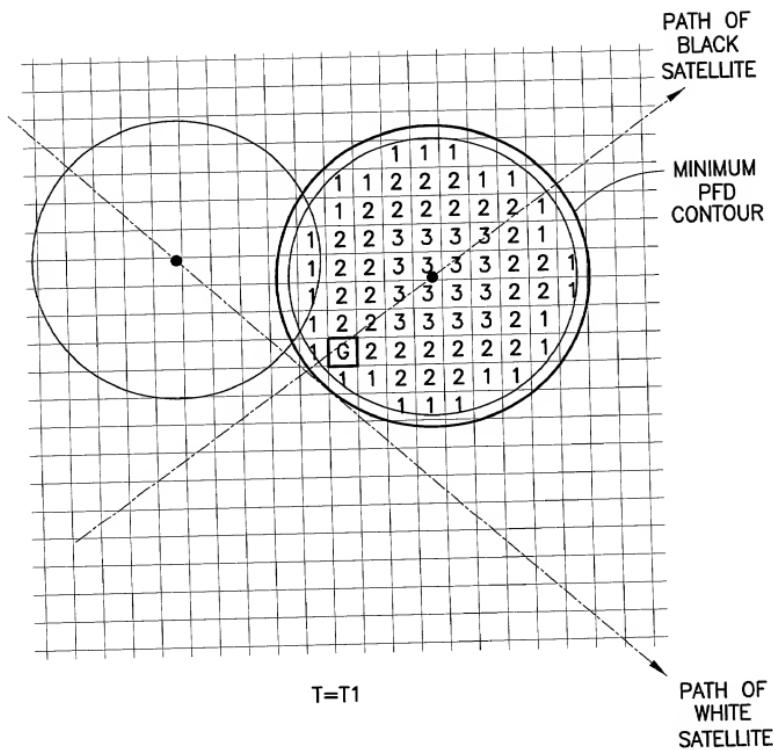
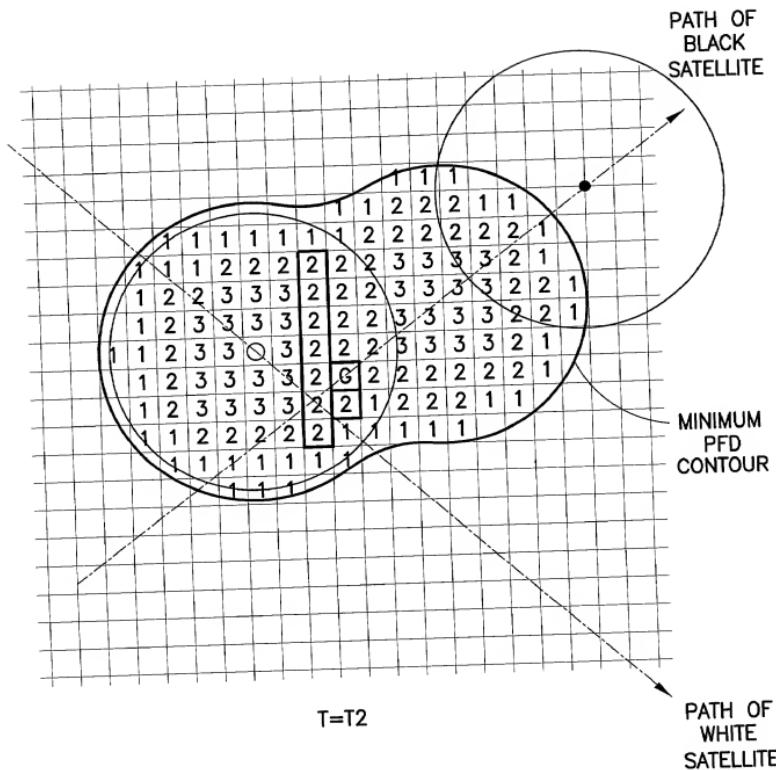


FIG.11E



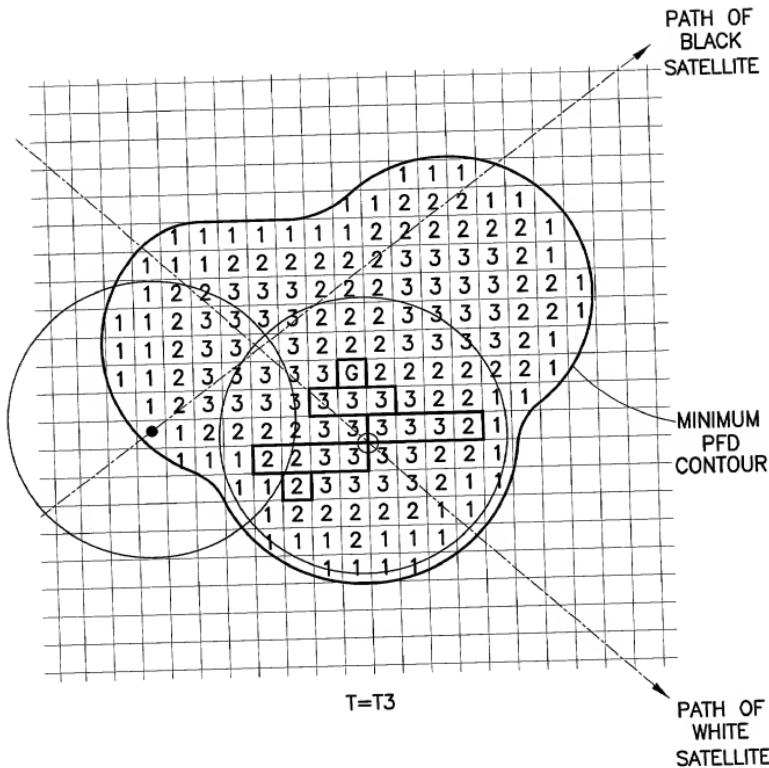


FIG.11G

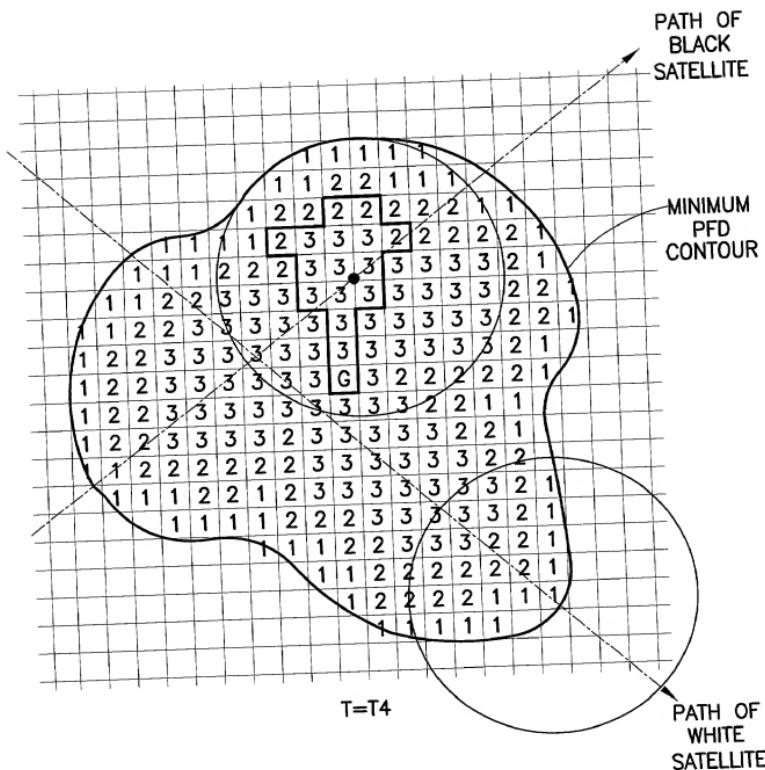


FIG.11H

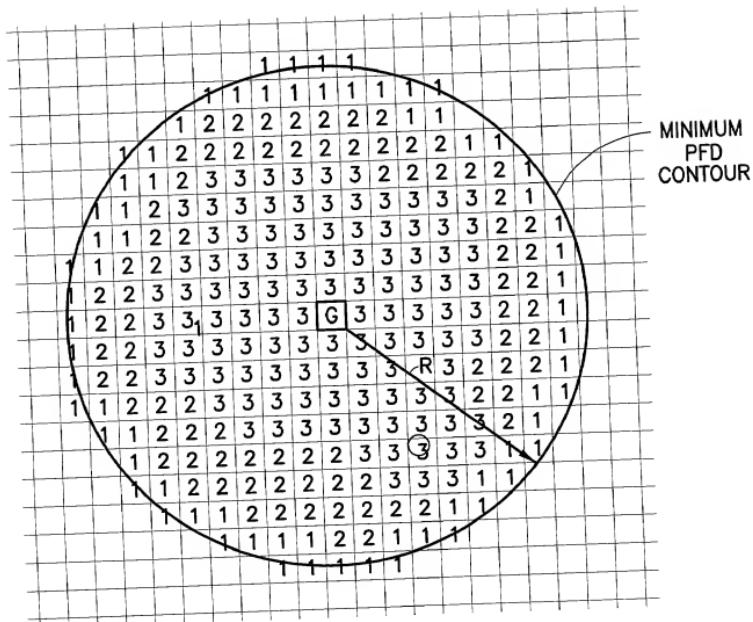


FIG.111